

# NAVEENAN R. YOGESWARAN

+1 (848) 248-9601 | [naveenan.r.y@gmail.com](mailto:naveenan.r.y@gmail.com)

<https://github.com/navey> | <https://www.linkedin.com/in/naveenan-yogeswaran/>

## Education

### Rutgers University – New Brunswick

September 2018 – May 2022

- **Major:** Bachelor of Science, Computer Science | **Minor:** Mathematics
- **Cumulative and Major GPA:** 4.0
- **Organizations:** Organizer for HackRU, Peer Tutor for Introduction to Computer Science and Data Structures
- **Relevant Coursework:** Data Structures, Principles of Information and Data Management, Systems Programming, Computer Architecture, Discrete Structures 1&2, Theory of Probability, Linear Optimization

## Skills

**Programming Languages:** Java, Python, C, SQL, JavaScript, HTML, CSS

**Tools:** Git, Visual Studio Code, Eclipse, Emacs, GDB, MySQL Workbench, SSH, Unix Environment

**Technologies:** React, Relational Database Design, AWS (EC2 and RDS), MySQL, Java Server Pages (JSP), JDBC, Azure, Selenium, Networking, Multi-threading

## Personal Projects [Github for Projects](#)

### RU-Home

November 2019

- Smart doorbell that uses Azure's Face API to recognize who's at the door and alert the owner with Twilio
- Integrated the facial recognition feature into the app which identifies the person at the door
- Connected Firebase to app which takes images from the database and trains the AI to recognize those faces
- **Technologies:** Python, OpenCV, Azure Face API, Firebase, Twilio, Dragonboard 410c

### RU-Single

February 2020

- Bot that uses random forest models to automatically swipe left or right depending on user's preferences
- Created bot, using Selenium, to automatically log on to Tinder and begin swiping left or right until stopped
- Integrated the random forest model into the bot so the bot can predict your preferences
- **Technologies:** Python, OpenCV, Selenium, PIL, NumPy

### Battle Ships

August 2018

- Recreation of popular board game of the same name
- Utilized an Object-Oriented Design to create the main functionalities of the program
- Utilized Swing to create a GUI which gives user a good representation of their "board"
- Implemented a save feature which will save your progress after exiting
- **Technologies:** Java, Swing, OOP, Eclipse

### Git Recreation

April 2020

- Created a version control system that allows multiple clients to access multiple projects in a repository
- Implemented TCP/IP networking feature that allows clients to access a server from different machines
- Implemented multi-threading feature that allows server to handle multiple client requests
- Integrated multiple features common in VCS such as update/upgrade, commit/push, rollback, etc.
- **Technologies:** C, TCP/IP, Networking, Multi-threading, OpenSSL, Socket Programming

## Awards and Acknowledgements

- Member of the Rutgers University School of Arts and Sciences Honors Program
- School of Arts and Sciences Excellence Award
- Truveris Best HealthCare Related Hack (HackTCNJ 2018 for Drinkapedia)
- Best Use of Twilio (HackNJIT 2019 for RU-Home)

March 2020

February 2018

November 2019